Amendments to the Claims

This list of claims will replace all prior versions and listings of claims in this application.

Listing of Claims

Claims 1 – 6 (Cancelled)

Claim 7 (Previously Presented)

A sensor system for detecting pedestrian collision in the front region (4) of a motor vehicle (1), comprising:

at least one fiber optic sensor (5) that extends in the front region (4) of the motor vehicle (1) largely over the entire vehicle width (19), which sensor is deformable by the collision of the motor vehicle with an object (18, 20, 21) in the front region (4) and which generates a signal owing to the collision of the motor vehicle with an object (18, 20, 21) and

at least one infrared sensor (6) in the first region (4) of the motor vehicle (1) that generates a signal in response to detection of an animate object (18, 20) for distinguishing between the collision of the motor vehicle (1) with animate (18, 20) and inanimate objects (21).

Claim 8 (Previously Presented)

The sensor system for detecting a pedestrian collision as claimed in Claim 7, wherein the fiber optic sensor (5) is integrated in the front fender (3) of the motor vehicle (1).

Claim 9 (Currently Amended)

The sensor system for detecting a pedestrian collision as claimed in Claim 7, wherein the infrared sensor (6) is integrated in the front fender (3) of the motor vehicle (1).

Claim 10 (Previously Presented)

The sensor system for detecting a pedestrian collision as claimed in Claim 7, wherein the signals of the fiber optic sensor (5) and of the infrared sensor (6) are evaluated by a control unit (7).

Claim 11 (Previously Presented)

The sensor system for detecting a pedestrian collision as claimed in Claim 7, further including a control unit (7) connected to receive signals from a temperature sensor (17), the fiber optic sensor (5) and the infrared sensor (6).

Claim 12 (Previously Presented)

The sensor system for detecting a pedestrian collision as claimed in Claim 7, further including a control unit (7) connected to receive signals from a tachometer (22), the fiber optic sensor (5), the infrared sensor (6) and a temperature sensor (17).